SURVEY OF MAJOR USERS OF OMITE 30W IN THE SOUTHERN SAN JOAQUIN VALLEY

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Keith T. Maddy, Staff Toxicologist Susan C. Edmiston, Environmental Hazards Specialist III

HS-818 Revised December 3, 1980

California Department of Food and Agriculture
Division of Pest Management, Environmental
Protection and Worker Safety
Worker Health and Safety Unit
1220 N Street, Sacramento, California 95814

SUMMARY

In October 1980, a telephone survey was conducted concerning the use experience of major users of the miticide Omite 30W. Selected major users contacted were in the southern part of the San Joaquin Valley. Questions asked concerned use experience with different types of packaging and the types and severity of skin problems caused by exposure to this formulation of Omite. A list of 42 persons was assembled, and 23 were reached for comment. One person stated that he used only the liquid formulation (6E). The list of 42 names had been assembled from dealers' records to select for the 4 known users of the new water-soluble packaging and for known users of the new 25-pound packaging. They all were believed to have had previous experience with 5-pound packaging.

Fourteen of 18 users of the 25-pound bags of Omite 30W said there was less exposure to mixer/loaders while opening 25-pound bags than by the use of 5-pound bags. The only problem noted with the 25-pound bags was that when a partial bag was needed to finish a tank load, the mixer either had to weigh out the material or use a 5-pound bag. Fourteen of 17 users stated they preferred the 25-pound bag, but most also stated they needed both sizes of bags. Only 6 of 18 surveyed stated they would pay a premium for the 25-pound bag over the 5-pound bag. Most stated that the 25-pound bag should cost less per pound.

Five of those contacted had some use experience with Omite 30W in water-soluble packaging (WSP). No one experienced skin irritation while mixing Omite 30W in WSP. Only one user stated he had a few problems with the WSP dissolving. When asked if they would pay a 10-20¢ per pound premium for WSP, 4 of 5 said they would. Another user, with no experience with Omite in WSP, stated he would pay a premium. Two other users stated they would like to use Omite 30W in WSP.

Those contacted were asked if they could tell the difference between a dermatitis caused by sulfur and one caused by Omite. Five of 21 stated they could tell the difference. When asked if sulfur increased the severity of an Omite dermatitis, 4 of 15 said yes.

The users were asked what they thought would be a safe reentry interval for Omite 30W on grapes. Five said 1 day was safe, 4 stated it should be 2-3 days, 2 said 4-5 days, and 2 said it should be 6-7 days.

Of those questioned, ll stated that mixer/loaders would be most likely to be exposed to an excessive amount of Omite 30W. Three thought applicators would receive the most exposure to Omite 30W, while 4 thought mixer/loaders and applicators are equally exposed to Omite 30W.

More details are provided in Table One.

| , | , | | | <u> </u> |
|---|---|--|--|---|
| 4 | ω | N | l | PERSON |
| Yes | Yes | | | In Your opini |
| 8 | N | No | Yes | opening opinion, of Omite 125% bag compared to 5 5% bags My Vour opinion, is there less exposure of Omite 125% bags compared to 5 5% bags My Vapplicator experience Mould |
| Yes | Never | | | Did MyLApplicator experience diffi- Mould you pay a premi |
| 25# | 25 # | | | Did ML/Applicator experience diffi- would you pay a premium for 25# bag? Can you to some compared less exposure culties in using 25# bags of onite 30w? Mould You pay a premium for 25# bag? Can you to some compared less exposure culties in using 25# bags can you to some compared less exposure compared less exposure to 5 5# bags compared less exposure to 5 5# bags Mould you pay a premium for 25# bags can you to some compared less exposure compared to 5 5# bags compared less exposure to 5 5# bags compared to 5 5# bags would you pay a premium for 25# bags |
| * | * | NO | Yes | Can You to |
| Yes | Yes | <u> </u> | Yes | see a burns on work |
| ··· | | Pos- | Yes | severity of seem who do rece |
| | days Ic | | 6 days | What would be a for field be a |
| M/L & | | - | W.C. | What type of work activity to Conjto receive activity |
| Yes | ਲ | Yes | Yes | Have You had appear exposure |
| 8 | | 8 . | 8 | oye irrital you or |
| N | | yes 1 | <u>8</u> | using and hand; using Packaging? Omite 30W |
| Yes | 8 | Yes | Yes | Have you encountered any difficulties in water-soluble packaging? Wising and handling water-soluble packaging? While using Omite 30W Water-soluble packaging? Water-soluble packaging? Water-soluble packaging? |
| -Less exposure w/ 25# bags; easier handling, transport, storage, and disposal are also benefitsNeed to have water soluble pack- agingMixer, loader, applicator is same worker. *Never seen sulfur rash. | -5# bags extremely dustyLess packaging to dispose of with 25# bagWould not pay premium for any- thing! (25# bag should be less)Will always pull workers from exposure as soon as they start breaking outWater soluble packing would be good idea, but would not pay premium! *Never seen sulfur rash. | -Always wears gloves while mixingNo problems at all with skin or -yeye irritationsHad to use stirk once in a while to stir bags up - WSP wouldn't dissolve wellPrefers water soluble bags. | -Developed 3rd burns from Omite 30W before using water soluble bags. Sulfur makes Omite burn more irritatingUses 8# water soluble bagsWould avoid using Omite 30W if not for water soluble bags - very useful product. | (10-20g/1b) Packaging over standard bag? |

A summary of a survey of 2.3 users of Omite 30W in grape vineyards in the Southern San Joaquin Valley of California as to problems with eye and skin irritations from exposure to this miticide.

| | | | | | · · · |
|------------------------------------|---|---|---|--|---|
| ب ا | ω | 7 | 6 | UI . | PERSON |
| * | Yes | | | yes1 | In Your opinion, is there less exposure of Omite 30W? Did M/L/Applicator exposure in using exposure |
| * , | 8 | Yes ² / | yes ² / | No | Did Mt/Applica |
| * | 8 | No <u>3/</u> | No | Yes | 1001 001 |
| * | 25# | 5 # | - 5# | 25#1 | Would you pay a premium for 25# bag? Which would you prefer is |
| YesŢ | * | | ₹ | | Which would you prefer if cost was the asulfur deference |
| No | <u> </u> | Yes 4/ | | <u></u> | Can You tell difference between an Onite Do You have any workers who |
| No | <u>-</u> | Prob- | N | | Do you have any workers who do not an Onite see a physician? Irritations who do not severity of an Onite increase |
| 1-2 days | When | | l day | 1 | Does sulfur seem to increase the for field worker safe |
| M/L | Appli— cator | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | N/L | | When Sae |
| No 2/ | Yes | 1 | 1 | N | |
| | No | | | | If so, did you soluble experience in |
| | No | | | | Using and encourage packaging Ontil On |
| I | Prob- | | | Yes | would you pay ving, stoodubilities |
| | -Less to dispose of, less prob- lems with storage, transporta- tion, and handling with 25# bags. -Applicator has highest exposure because of drift. *Never seen sulfur rash. | 1/Only if whole bag can be used. 2/Have to weigh out partials. 3/Can always use 5# bags; would rather use the E.C. 4/More rashes from sulfur. 5/Problem comes early in morning when there is dew on leaves. | 1/If whole bag can be used. 2/Hard to pour; not as much spillage with 5# bags; don't have to weigh out if part of 25# bag is needed. | -25# bags cost less, less bags to open, save time in handling. -Would prefer to use water soluble packaging, if available. 1/Depends a little on tank mix (still need either partials or 5# bags). | COMMENTS |

| 14 | 13 | 12 | | <u> </u> | PERSON |
|----------------------------|---|--|---|---|--|
| | | | | | |
| Yes | Yes | * . | Yes | Yes | In your opinion, is there less exposure of Omite 30W? Did M/L/Applicator experi |
| No - | No | 1 | 8 | ĕ | using expansion |
| | <u> </u> | | No.1 | Yes | - a D- ~ W |
| 25# | 25# | <u> </u> | | .25# (50#) <u>1/</u> | Which would you pr |
| | N | Xes T | No.2/ | No.2/ | Which would you prefer if cost was the same? Can you tell difference between an Omite minor burns or irritate who a see a physician irritate who are see a physician in the see a physician irritate who are seed a physicia |
| No | No . | Yes | 8 | 8 | minor burns or workers |
| | | 2 | 1 <u>12</u> | | Does sulfur seem |
| | days | -` | 4-5 days | 1 day | Teld World Sas |
| M/L | M/L | M/L | w | ¥ | Mat would be a safe reentry interval to Omite 30W; in water seexposure |
| | 8 | 8 | No. | 8 | Omite You had any |
| | | | | | in water and you or M/c Packs with |
| - - | | | - | | using you ence package using o skip |
| | | <u> </u> | | | Using and encountered using Omite 30W (improper dissolving, water soluble packaging) Would water sou pay premium storage packaging: (10-20g/lb) packagin for Omite 30W |
| -No skin problems noticed. | -25# bags save time and are easier to handleTop off loads with 5# bags. 1/25# bags should be cheaper. 2/Never seen sulfur rash. Omite irritation is very bright red burn. | -Has loaders & applicators use a petroleum jelly product on elbows & neck, then wash after work. They don't seem to have problem with burns. *Uses only 5# bags - would have to use partials of 25# bag. 1/Rashes and burns are less severe with sulfur. | -Easier storage, transport, handling, and less exposure with 25# bags. 1/25# bag should cost less. 2/No skin problems with sulfur or Omite, 3/Any worker who is careless. | <pre>1/Would like 50# bags better, less waste than with smaller bagsWith 25# bags there is less time spent handling & less exposure. 2/No skin problems - uses preventative creams.</pre> | over standard bag? |

| 17 | 16 | ts | PERSON |
|--|--|---|---|
| Yes | | Yes | In your opinion, is there less exposure of Cmite 30W? Did M/L/Applicator |
| No. | <u>8</u> | No | Did M/L/Applicator experience diffi- |
| +-Yes | Yes | 8 | Culties in using 25# bags of Omite 30W? |
| | 25#_ | 25# | |
| No 1 | 8 | Yes 1 | Which would you prefer if cost was the and a sulf- |
| No 12 | ₹ | Yes | Can you tell difference between an Omite and a sulfur dermatitis? Do you have any workers who experience see a physician? Does sule |
| Yes | No. | No | Severity of Seem to i |
| | 24 hr. | 165 | field be a sac |
| Appli- | M/L | M/I & | Co Onita receive activit |
| 8 | | Yes | Unite 30W in any use |
| 1 | | No | If so, did you or M/r |
|] | I | No | Have you encountered using omite 30W |
| 1 | | No 3 | water-soluble packaging, water-soluble packaging, (10-20g/lb) |
| handling of 25# bagsStill need some 5# for finishing tank load25# bag should cost less. 1/Cannot tell visually; but workers complain more with Omite dermatitis - intensity of itching appears to be greater. 12/Not this year; had some 2-3 years ago. 13/Depending on sulfur application; waits 5-7 days after sulfur application. | transport; less bags to open24 hr. reentry is adequate - no skin problems in field workers less exposure because of less | but need both. -Try to use 25# as much as possible. -25# bags should cost lessRashes not as bad this year because of cool weather. L/Omite - skin very red, burn Sulfur - less severe rash. Sulfur - less severe rash. 2/More than 24 hours; "24 hou pushing your luck." J/Farmers won't go for 20¢ lb more for water soluble pack more for water, handle | Would you pay premium for Omite 30W in (10-20g/lb) And Comment of the standard bag? |

| 22 | 21 | 20 | 19 | 18 |
|--|--|---|---|--|
| No - | No.1. | Yes | ~ ~ ~ | Yes |
| 8 | No . | No | NO | No. |
| 8 | No | Yes | No | N |
| 25# | 25# | 25# | ت الله | 25# |
| <u>8</u> | % | * | Yes 1/ | N |
| No | N | Yes | No | No. |
| N | 8 | N | พ | |
| 1 | | | Week | 1 |
| | Appli- | M/I & Appl. | ¥. | M. |
| 1 | | | | |
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| | 1 | | | |
| | | | 1 | |
| <pre>*No problems at all with Omite. </pre> | -Doesn't apply when it's over 90 degrees F. -Problem comes with personal hygiene. -Would not want water soluble bags, it is an added expense with no benefit. -No exposure to mixer/loaders." | -Less exposure with 25# bag; but need both to finish off tankPrefer 25# bag for convenience and handlingUse "prevent" lotion given to them by Uniroyal - worked wellM/L/Applicator is same person. *Never seen sulfur rash. | -Have to weigh out when using partial bags which increases exposurePrefers 5# bag; don't have to handle it by handM/L/Applicator same person. L/Omite - burns skin more severe. Sulfur - skin rash. | -Upen rewer 25# bags - don't like 5# bagsEasier storage, transport and handlingNeed 5# bags to finish tank load"Use common sense." -Uses hand lotion before mixing and applying. |

your opinion, is there less exposure ening 1 25# bag compared to 5 5# bags

id M/L/Applicator experience diffi-lities in using 25# bags of Omite 30W?

uld you pay a premium for 25# bag?

which would you prefer if cost was the

Can you tell difference between an Omite Do you have any workers who experience minor burns or irritations who do not

Does sulfur seem to increase the severity of an Omite dermatitis?

What would be a safe reentry interval What type of work activity is most likely to receive the highest exposure to Omite 30W?

Have you had any use experience with nave you had any use experience with Omite 30W in water-soluble packaging?

If so, did you or M/L develop skin or eye irritations while using Omite 30W in water-soluble packaging? Have you encountered any difficulties in using and handling water-soluble packaging: (improper dissolving, storage, etc.) Would you pay premium for Omite 30W in water-soluble packaging over standard bag?

| CIRMAROV | | | | | | | | | |
|----------|---|------|-----------|-------|-------|---------|-------|----------|------------------|
| | | _ | | | 4/18 | No . | 14/18 | Yes | In ope of |
| | | _ | _ | | 2/18 | Yes | 1 _ | 8 | Di cu |
| 1 | | 2/18 | cided | Unde- | 10/18 | No. | 6/18 | Yes | Wou |
| | | _ | _ | | 3/17 | <u></u> | 14/17 | 25# | Wh san |
| | | | | | | | 5/15 | Yes | Car and |
| | | | _ | | 14/20 | No. | 6/20 | Yes | Do mii see |
| 4 | , | 4/15 | Know | Don't | 7/15 | No | 4/15 | Yes | Doe sev |
| | | ν, | 3 day: | | 2 | 2 days | 5 | 1 day | Wh fo |
| | | 4 | S! M/L/A! | | ω | Appl. | 1 | M/F | Wh li to |
| | | | _ | | | | 5 | Yes | Ha Om |
| | | | | _ | | _ | 5/5 | <u>8</u> | Ii ey in |
| | | | | | 1/5 | Yes | 4/5 | No | Ha US (1) |
| | | | _ | | 2/7 | No No | 5/7 | Yes | Wa (2) |

Your opinion, is there less exposure Your opinion, is there less exposure ining I 25# bag compared to 5 5# bags

ld WI/Applicator experience diffi-Uties in using 25# bags of Omite 30W?

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hich would you prefer if cost was the

an you tell difference between an Omite

to you have any workers who experience incompanies or irritations who do not

bes sulfur seem to increase the everity of an Omite dermatitis?

What would be a safe reentry interval for field workers in grapes?

What type of work activity is most likely to receive the highest exposure

Have you had any use experience with nave you had any use experience with Omite 30W in water-soluble packaging?

If so, did you or M/L develop skin or eye irritations while using Omite 30W in water-soluble packaging? Have you encountered any difficulties in handling materialists nankaging trave you encountered any difficulties in using and handling water-soluble packaging? (improper dissolving, storage, etc.)

Would you pay premium for Omite 30W in (10-20%/1b) packaging over standard bag?